



Changes rvsMVS 5

Known compatibility issues:

- rvsMVS < 5.01.00 / zOs >= 1.13
S0C1/S0C6 on EERP processing as result of repeated module loading
fixed by patch_load_DF094E (5.00.02)
- rvsMVS < 5.00.02 / ZOs >= 1.12
S0C4 in DF018A on startup and DF018C on list CPUID
fixed by Patch_rvsMVS_48_DF018 (4.00.08) and DF018A (5.00.00)
- Since rvsMVS version 5.03.00 the using of Language Environment has
been changed (see TABLES(CEEOPTS)). For detailed information see
the installation manual.
CEEOPTS:
MSGFILE(RVSCMSG, FBA, 121, 0, ENQ), RPTOPTS(OFF), RPTSTG(OFF),
TERMTHDACT(UAIMM),
TRAP(ON, NOSPIE)

The Values RPTOPTS and RPTSTG are reporting options. If there is a
problem, you will switch it to ON. Important is that the option POSIX(OFF) is
removed!

Changes rvsMVS

Rel. 5.04, Level 04: 30.11.15

Category	Reference	Description
Change Request	MVS-267	OFTP2 – Improvement – now available: <ul style="list-style-type: none"> • Encryption and compression of empty data sets
Change Request	MVS-268, MVS-269	OFTP2 – Improvement – now available: <ul style="list-style-type: none"> • Length of OID in certificate can be higher than 32 • Exponent of public key can be lower than 17
Improvement	MVS-304	Redesign of command D-SID (see documentation) Effected module DF125B
Improvement	MVS-299	Introducing check points for improved diagnostics (DF094A, DF117A, DF119B, DF124A, DF058A, DF061A, DF029A)
Improvement	MVS-297	Extended and sophisticated OFTP-tracing (DF094A, DF117A, DF119B, DF124A, DF058A, DF061A, DF130W)
Improvement	MVS-295	rvsMVS can now handle data sets with Format VBS und RECLen >= 32756. (Such data sets are created during transfer of POs) Effected modules DF094A and DF119A
Improvement	MVS-259	Extended diagnostics for allocation problems in DF061A (Receive of PO data sets)

Bug fix	MVS-303	Bug: Under certain circumstances, ABEND 0C4 may occur during rvsMVS' shutdown when using XOT. Bug in module DF095I was fixed.
Bug fix	MVS-302	Bug: Under certain circumstances, ABEND 0C4 may occur during frequent OFTP2 transfer. Bug in module DF052A was fixed.
Bug fix	MVS-301	Bug: Changing station parameter FILESIG is not followed by refresh of stations definition in KD (Bug was fixed in module DF032A.)
Bug fix	MVS-296	Bug: Transfer of PO with many members may fail. Bug was fixed in module DF080A.
Bug fix	MVS-277	Bug: Under certain circumstances, ABEND 0C7 may occur during send. Bug in module DF094A was fixed.
Bug fix	MVS-273	Bug: Using TCPIPCHK, USERSEP alias USP, SID2 in station definition, unpredictable mal behaviour may occur when starting rvsMVS or refreshing stations' table. Bug in module DF022B was fixed.
Bug fix	MVS-270	Bug: Line tracing into a SYSOUT class does not work. Bug was fixed in module DF007A (TCP).
Bug fix	MVS-264	Bug: Under certain circumstances, ABEND 0C4 may occur during shut down of rvsMVS. Bug in module DF096A was fixed.

Rel. 5.04, Level 03: 07.05.15

Category	Reference	Description
Improvement	MVS-217	Incomplete EERP (hash contained, but no signature) is tolerated by rvsMVS.
Improvement	MVS-254	New version 3.4.2 of 3 rd party tool Cryptlib (used in OFTP2 context)
Improvement	MVS-227	XOT line driver re-engineered
Improvement	MVS-226	New CNTL parameter TEMPNAME with value TSTAMP or UNIQUE (default) controls naming of temporary datasets. For unique dsn: Temp dsn: <FLP>.T.Mxx.Dyyddd.Thhmmss.Cxxxx.Cyyyy Routing dsn:<FLP>.RLS.Mxx.Dyyddd.Thhmmss.Cxxxx.Cyyyy
Improvement	MVS-200	It is not longer possible to create send jobs for PO datasets, where the receiver is not of type MVS
Improvement	MVS-258	Panel DF100P00 (SEND A DATASET) extended with DISP=C (C as Copy)

Improvement	MVS-199	SIDs can now begin with digits, too.
Bug fix	MVS-216	Bug: RRE JOBLIB-cache will never be refreshed in case of I/O-error.
Bug fix	MVS-198	Bug: Under specific circumstances, content of message DF3713I was corrupted.
Bug fix	MVS-211	Bug: Sending multi volume datasets caused ABEND
Bug fix	MVS-212	Bug: Length of DNS-name for local station was restricted to 21 characters. Solution: Length of DNS-name for local station is now extended to 64 characters.
Bug fix	MVS-255	Bug: Wrong station displayed in some messages (DF2525Q / DF9I28W)
Bug fix	MVS-232	Bug: In case of routed send jobs with identical queuing time but different counters, processing was done only for one of these send-jobs.
Bug fix	MVS-256	Bug: In case of EERPs with identical queuing time but different counters, sending was done only for one of these EERPs. ("Duplicate key" message for the other EERPs)
Bug fix	MVS-229	If EFCHECK=NO is set in definition of send job (DF080A00), SECURITY=YES will be ignored, even if SECURITY=OPT is set for the related station.
Bug fix	MVS-223	Bug: Under specific circumstances messages from accessing control dataset are not displayed.
Bug fix	MVS-223	Bug: Update of send request in KD fails, if CI split occurs. Solution: Update of send request in KD will be re-tried, if CI split occurs.
Bug fix	MVS-245	Bug: Operator command "free DSN=<dsn>" does not work.
Bug fix	MVS-209	Bug: If using a non-existing SID in creation of send job, wrong message appears.

Rel. 5.04, Level 00: 25.11.14

- **New:** (MVS-125) rvsMVS supports EAV.
- **New:** (MVS-142) rvsMVS supports multiple private keys and multiple certificates for partner station.
- **New:** (MVS-182) Station type MVS is extended by station parameter MVSEXT=(RETAINU,IEBCOPY).
RETAINU retains the record structure of U-datasets.
IEBCOPY allows transmission of PDS/E and PDS, using IEBCOPY.
For IEBCOPY, max supported blocksize is 32720.
- **Improvement:** (MVS-174) OFTP2 compression and file signature can be defined as optional (allows changing when creating send entry).
- **Improvement:** (MVS-154) Creation of unique temporary dataset names improved.
Parameter FIRSTLVL of CNTL member (first level pointer for temporary data sets) must be defined and access enabled in RACF.
- **Improvement:** (MVS-178) Behavior of rename errors during receive can be controlled by new parameter ONRENER=(KEEP | SCRATCH)
- **Improvement:** (MVS-53) DSN syntax check when receiving a dataset.
- **Improvement:** (MVS-177) NERP reason is shown in ISPF panel (2 and 6).
- **Improvement:** (MVS-175) OFTP2 commands
CERTIFICATE_DELIVER/REQUEST/REPLACE are refused, if the target is not an OFTP2 station.
- **Improvement:** (MVS-121) ComSecure keys.
If more than one public/private key is defined for a station, ComSecure will use:
 - the valid private key, which expires next
 - the valid public key, which expires last
- **Bug fix:** (MVS-180) Corrected ABEND in DF052X if job dataset isn't accessible.
- **Bug fix:** (MVS-128) Corrected computing of data set size in DF094A.
- **Bug fix:** (MVS-178) If a data set cannot be created, the EERP is suppressed, in case of OFTP 1.4 or 2.0 a NERP is send.
- **Bug fix:** (MVS-183) Corrected OFTP2 data underflow during decompression (CRYPTLIB).

Be sure to set parameter FIRSTLVL of CNTL member (as mentioned above) to avoid allocation error for temporary data sets.

New blueprint for temporary data sets:
name.T.Mxx.Dyyddd.Thhmmss.Cxxxx.Cyyyy
with name taken from parameter FIRSTLV in CNTL
Mxx: monitor number
Dyyddd: date stamp
Thhmmss: time stamp
Cxxxx.Cyyyy: unique counter since monitor start

As the allocation for received datasets is done on the temporary dataset name,

usage of SMS ACS rules for received data sets may conflict with the new blueprint. We provide patch_df139d04 on demand to switch back to the old blueprint for temporary data sets (designated data set name with time stamp appended), thus enabling the ACS rules designed for the designated dataset name to work on the temporary data set name as before.

Rel. 5.03, Level 00: 15.11.13

- **New:** (MVS-141 and MVS-145) rvsMVS supports RACF-managed cryptographic keys (hardware protected and clear keys).
(MVS-166) New license is required for the new feature RACF key management.
- **New:** (MVS-142) rvsMVS supports hardware asymmetric (RSA) encryption, symmetric (3DES and AES) encryption and hash (SHA1).
(MVS-166) New license is required for the new feature hardware security.
- **Improvement:** (MVS-158) KEYLABEL for RACF managed key with spaces are allowed
- **Improvement:** (MVS-162) export of certificates from certificate store (VSAM)
- **Improvement:** (MVS-161) If an RRE is deleted, the current TSO user is stored in KD field KDUSER. This KD record can be found in RVSLOG data set.
- **Bug fix:** (MVS-155) corrected output of DF076A for PO data set transfer
- **Bug fix:** (MVS-159) corrected ABEND S0C4 in case of Online Security
- **Bug fix:** (MVS-160) corrected ComSecure and Online encryption problem (if a lot of ComSecure/Online Encryption tasks were started)
- **Bug fix:** (MVS-170) corrected ABEND S0C9 during receive of SFID extension.
- **Bug fix:** (MVS-167) corrected ISPF panel view (panel 2 and 6) for different SID and same DSN
- **Bug fix:** (MVS-165) corrected log output if license is invalid (telephone number, address etc)
- **Bug fix:** (MVS-163) corrected work buffer size for reading KD records
- **Bug fix:** (MVS-157) corrected check of DEVTYP during receive of SFID
- **Bug fix:** (MVS-155) corrected messages in "messages and codes"
- **Bug fix:** (MVS-116) initialize USER area in DF124A

Rel. 5.02, Level 01: 12.06.13

- **Improvement:** If a RRE has changed for an existing receive entry (AR), the AR entry will start at the beginning in case of restart. So all changes of the RRE will be considered for this AR entry. (see message DF1197W)

- Improvement: If OFTP2 received files should be routed to OFTP 1.2 station, only first file will be accepted. All others will be rejected with SFNA (duplicate file) and RETRY=NO.
- Improvement: expand range for DF079B up to 365 days
- Improvement: performance optimization (reduce svc's)
- Improvement: new messages if KD access failed (see messages and codes)
- Improvement: transmission with OFTP2 file description are accepted by rvsMVS and is there ignored
- Bugfix: in case of error during copy operation from or to tape user abend is suppressed and transmission is canceled
- Bugfix: SNA file transfer
 - corrected end time initialization
 - GDG allocation changed from scratch to noscratch
 - ABEND 0C7 fixed (speed computing)
- Bugfix: corrected computing of allocation for PO data set transfer
- Bugfix: corrected utility program DF079B (delete old entries)
- Bugfix: use correct volume (configured in RRE) to store PO dataset
- Bugfix: in case of PO dataset transfer there are too many open allocations
- Bugfix: corrected handling with multivolume data sets (DF080A00)

Rel. 5.02, Level 00: 18.10.12

- Improvement: rvsMVS is TLS ready (refer Addendum_OFTP2Features.pdf)
- Improvement: `/*SYSOUT=(I,INTRDR)` (remote job processing) is configurable by CNTL parameter RJOBSUB
- Improvement: RRE username can be changed in RRE update panel
- Improvement: DELAY command in START member (refer Operation_Manual.doc)
- Improvement: VALIDFROM parameter for self signed certificates
- Improvement: DF018A and DF130B00 print version information during startup
- Bugfix: avoid S0C7 during "DB" command when using NOEXP license key (IN662906)
- Bugfix: avoid changing active transmissions by command "S SID,NAME,NEWSID=SID"
- Bugfix: corrected error messages in DF053V
- Bugfix: corrected ABEND S13C in SNA task (IN624614)

Rel. 5.01, Level 01: 22.06.12

- Bugfix: OFTP2 Encryption isn't available if ComSecure isn't licensed
- Bugfix: OFTP2 decryption sets the numbers of transmitted records to null
- Bugfix: OFTP2 decryption sets user completion code to four

- Bugfix: OFTP2 decryption in format TEXT and last line doesn't end with line separator (0x0d 0x0a) -> Last line contains wrong data (2 last bytes) or an ABEND S0C4 occurs.
- Improvement: for TYPE=MVS the VDSN is extended by additional characters "§ \$ #"
- Improvement: /*SYSOUT=(I,INTRDR) (remote job processing) is deprecated

Rel. 5.01, Level 00: 13.04.12

- Bugfix: unnecessary message DF5X22P removed
- Bugfix: OFTP2 allocation error on missing option SECRPREF
- Bugfix: distinguished name length of OFTP2 certificates increased
- Bugfix: ABEND 806 during PDS transfer fixed
- Bugfix: unknown parameter error LU62MODE fixed
- Bugfix: BAD_DATA error in case of OFTP2 compression and encryption fixed
- Bugfix: S0C1/S0C6 as result of repeated module loading fixed (related to z/OS 1.13, EERP)
- Improvement: rollback function in case of KD write error
- Improvement: license key extension
- Improvement: encryption can be requested by ISPF- Panels and in batch (DF080A00)
- Improvement: security functions displayed in ISPF- Panels and in batch (DF076A)
- Improvement: OFTP2 batch messages corrected
- Improvement: special VDSN supported, used for OFTP2 certificate exchange
- Improvement: new commands for SNMP component support start, stop and automatic restart

Rel. 5.00, Level 02: 30.06.11

- Bugfix: loop during decryption of datasets
- Bugfix: negotiation of security features
- Bugfix: avoiding ABENDS on invalid values for record format V
- Bugfix: avoiding duplicate temporary dataset names for SNA transmissions
- Bugfix: avoiding duplicate temporary dataset names in DF080A00

- Bugfix: problems with DNS- name resolution resolved, if the IP-address contains zeros
- Bugfix: wrong state in central journal, if no EERP is expected
- Bugfix: snmpAgent runs on Java 1.5 or higher
- Bugfix: ABEND S0C4 in XOT removed
- Bugfix: record length for U- datasets set to zero in case of OFTP2- routing
- Improvement: support of multiple private keys
- Improvement: self signed and CA signed certificates supported
- Improvement: keysize and validity can be changed
- Improvement: display of certificates in batch
- Improvement: 31Bit support for module DF018A and DF018C

Rel. 5.00, Level 00: 15.12.10

- Supporting the OFTP2 file services, which means that files could be encrypted, compressed and signed with the help of the internal key store infrastructure
- The OFTP2 Features are only running by the integration of hardware encryption facility.

Rel. 4.08, Level 00: 03.03.09

- **Format of Control- Dataset has been changed. Please refer release notes and manuals for more information about compatibility and interfaces.**
- **A separate patch fixes a problem with backward compatibility in SNA-LU0 linedriver. Please read installation notes for more information**
- Improvement: code-translation when routing TEXT files can be disabled by parameter
- Improvement: New field ACCTCPN in rvs accounting record ACTXTAREA. ALCTYPE extended by line types T for TCP/IP and H for XOT. (IN330168)
- Improvement: New fields in rvs accounting record ACTXTAREA supporting transmissions of big files
- Improvement: New fields in SMF record supporting transmissions of big files.
- Bug fixing: empty volume parameter in resident receive entry overwrites volume parameter in CNTL (IN387528)
- Improvement: timeout for getting ENQ in case of receiving GDG files can be modified by parameter (IN339329)
- Improvement: EERP can be suppressed by parameter
- Entries in station table cannot span more than one line anymore
- Improvement: primary allocation in SNA-LU0 linedriver increased
- Bug fixing: first level pointer can be set by parameter for temporary files used by online-security component (IN383449)

- Improvement: Output of DF076A extended with earliest transmission date and time. New fields for transmission of big files.

Rel. 4.07, Level 00: 14.01.09

- Format of Control- Dataset has been changed. Please refer Release Notes and manuals for more information about compatibility and interfaces.
- Improvement: no code-translation when routing TEXT files (former: ASCII->EBCDIC->ASCII)
- Bug fixing: evaluation of rename macro improved (IN339392)
- Bug fixing: Message DF5274P corrected
- Bug fixing: abend 0C9 in DF094A corrected. abend occurred when restarting transmissions of big files
- Bug fixing: problem with big files and unit counter corrected
- Bug fixing: wrong message in ISPF-panels when transmitting duplicate files via SNA LU0 corrected
- Improvement: recover of abend 001 on access of jobs PDS. Please refer Release Notes for more information.
- Bug fixing: Display of velocity on transmission of big files corrected.
- Bug fixing: serializing creation of send jobs improved. Corrects problem with assigning same timestamp (queuing time) for multiple send jobs.
- Bug fixing: serializing receiving of GDG datasets corrected

Rel. 4.06, Level 00: 03.07.08

- Bug fixing: command "DD EERP" corrected (IN284073) (DF052A)
- Bug fixing: serialize FTP transmissions (IN294289) (DF088F)
- Disable check of double OID (DF022B, DF052A)
- Bug fixing: license keys with year > 2009 are useable now (DF018A, DF130B00)
- Bug fixing: RVSDYN Macro corrected (DF066B)
- Improvement: Job data sets for RRE are opened and closed in RDS task DF052X (DF052X, DF058A) (ERNO 17)
- Improvement: Message DF5820I, count (CNT=...) is expanded to 5 digits (ERNO 54)
- Improvement: ISPF panel "display of transmissions" for received data sets shows in details if a RRE was used (ERNO 62)
- Bug fixing: Message DF9206E corrected (DF093C), (ERNO 40)
- Bug fixing: check for duplicate file and GDG dataset corrected (DF119A), (ERNO 63)
- Bug fixing: rvs user Codes 116 and 120 are unique now. New rvs user Codes are 117 and 118. (DF117A, DF171A, DF178A, DF094A) (ERNO 64)

- Improvement: If you receive in GDG dataset and the ENQ is already used by another task, the details of panel entry contain the additional information 'GDG basic is use by another job'. (DF037B, DF124A) (ERNO 66)
- Bug fixing: FTP ABEND 0C4 corrected (DF088F) (ERNO 67)
- Bug fixing: corrected problem for 'X SID' (XNUMCHCK) (DF048B)
- XOT (DF095I, DF095J, DF095K) (ERNO 46, 59, 61):
 - Improvement: line driver doesn't stop automatically for all TCP/IP errors
 - messages for 'connect' improved
 - Bug fixing: if you stop the line drive, the listen socket is always closed now
 - improve XOT trace functionality
- Bug fixing: creation of RRE via job corrected (DF080A)

Rel. 4.05, Level 00: 22.02.08

- Bug fixing FTP task DF088Y: deleting of datasets on non-SMS managed volumes
- Bug fixing DF052X: refresh of AR records for compression / security
- Bug fixing DF072A00 : dynamic allocation of rvs log dataset corrected
- Bug fixing DF094A: time check corrected during receiving SFID and EERP
- Bug fixing DF124A: rename of datasets for compression / security
- Improvement: ABEND 837 is recovered for SNA similarly to ABEND B37
- Change: usage of XOT component is controlled by license key (module name 'H')
- Change: default value of XOT receiver port from 3305 to 1998

Rel. 4.04, Level 00: 29.11.07

- Bug fixing Odette task (DF094A): invalid record/byte count during receive because of incorrect handling of filler byte
- Reset restart position in case of invalid record/byte count
- Bug fixing SNA-restart
- Bug fixing DF078B: incorrect call of DF076A
- Corrected offline features security and compression for z/OS 1.7 and higher
- Improvement: a warning is written if free space for rvslog is lower than 15% and rvsMVS is stopped if free space is lower than 5%
- Maximal count of sessions of TCP/IP, LU62 and FTP is reduce to 999
- Bug fixing DF052X und DF124A: receive of GDG data set with offline features (Compression and Security) failed
- Bug fixing DF54K: ABEND 0C4 in DELETE function
- Improvement panel 2: shows additionally active and canceled records
- Improvement panel 6: it works also as "read only" panel

Rel. 4.02, Level 02: 10.08.07

- New rvs usercodes as text messages in ISPF-Panels
- Overhead in case of transmission interrupt was reduced
- Improve error handling when open of a dataset fails

Rel. 4.02, Level 00: 20.07.07

- Bug fixing XOT: free of unused memory
- Bug fixing XOT: cause and diag in console message
- Bug fixing: stop/cancel rvsMVS
- RRE's are cached by a monitor memory list
(see Operation_Manual chapter 5.27,
new commands
 - DS RRLIST
 - F RRLIST,R)
- Bug fixing DF058A: abend during job- submit of empty member
- Bug fixing DF008A: abend 0C4 (buffer pool)
- Improve timer handling
- Bug fixing Operator Task: abend 23E

Rel. 4.01, Level 00: 25.05.07

- Bug fixing XOT: abend 4088
- Bug fixing XOT: free of unused sockets
- Bug fixing XOT: handling of "DS" command
- Bug fixing: wrong allocation of PDSE
- Bug fixing: stop, cancel of rvsMVS (IN#175066)
- Bug fixing: parameter DSPTI not changeable
- Reactivation of RMOP after abnormal end
- new ODETTE codes
- added licensing by the use of ODETTE id
- improve job submit
- DF078A is obsolete.
Suitable REXX scripts are added, instead of DF078A.

Rel. 4.00, Level 00: 14.02.07

- XOT implemented.
- Online Encryption implemented.
- New Status EWR (End of Transmission and waiting for EERP)
- Status END changed (End of Transmission and EERP received)

- New place holders for physical DSN when creating resident receive Entries (AR- Record)
- New format for timestamp in logfiles
- Test for valid security key on start of reception of encrypted files
- Status of interrupted transmissions will be set to END, when receiving "duplicate file"- error on restart of transmission
- Repeat allocating of INTRDR during end of transmission processing if it is temporary not available
- Shutdown of rvsMVS if license key is not valid during startup
- Fixed problem (0C4) when using routing and offline encryption
- Corrected handling in case of timeout during end file (don't send a file twice)
- New files on installation CD

Rel. 3.1, Level 00: 14.02.06

- SNMP interface implemented.
- Expiration date expanded from "+nn" to "+nnnn"
- Avoid a dot at position 44 of dataset name
- Fixed problem with EERPAD parameter (see last known bug in release 3.00.00)

Rel. 3.0, Level 00: 12.12.05

- Implementation of User Separation (USP) see chapter 9.6 in installation manual.
- Added new panel to view transmissions if KD and LOG dataset are in read only mode (see user manual chapter 2.7).
- Added new placeholder for RRE (see user manual chapter A.3).
- Added support for files greater than 2 GByte for encryption / compression.
- Corrected problem for large PDSE datasets (INC#21974).
- Corrected problem with zero sized records in variable datasets (INC#12461)
- Corrected problem in ODETTE protocol with zero sized subrecords
- Known Bug: parameter EERPAD doesn't work well, the problem will be fixed ASAP.

Rel. 2.5, Level 18: 25.04.05

- Problem: Incorrect timeout handling in the ODETTE task.
Solution: Corrected timeout handling.

Rel. 2.5, Level 17: 15.03.05

- Problem: multiple transmit of the same file in conjunction to message "DF5406 – CI IN EXCLUSIVE CONTROL BY ANOTHER TASK".
Solution: Corrected rvs monitor.
- Problem: Sometimes allocation/rename problem in case of RR with replace=yes.
Solution: avoid rename in case of RR with replace=yes implemented.
- Problem: Operator canceled task during restart of a large file, which took a lot of time. The Cancel-command "detach of rvs task" interrupted KD update. The message "DF5406 – CI IN EXCLUSIVE CONTROL BY ANOTHER TASK" occurred.
Solution: Improved handling of KD update and detach of rvs tasks.

Rel. 2.5, Level 16: 04.03.05

- Problem (INC#21053): Currently you can only use license keys where the expiration date is not longer than 05365.
Solution: Corrected check of expiration date.
- Problem: Abnormal end 0C4 occurs, if you use the command "Y STATIONS" with wrong syntax.
Solution: We improved command routine
- Problem: You can't establish a SNA connection, if ULS (User Level Security) is enabled in the license key.
Solution: Corrected the handling with KD record bits (problem ' disabled feature in H record ').
- Problem: If you use KD dataset in SYSPLEX environment, you can get a problem with duplicate indexes. The Problem can occur if a new EXTEND of KD data set is created.
Solution: The problem is fixed, if your load library is APF-authorized. If not, you have to use a primary allocation of KD data set which is large enough, to avoid build of new EXTEND for KD data set.

Rel. 2.5, Level 15: 07.10.04

- If you used FORMAT=TEXT, you couldn't change the translation table (always E2ANSI or ANSI2E). Now you can choose an own translation table (TSD#98759).
- Corrected Format=TEXT for FIXED datasets with external decryption / compression). Now all lines have the correct length = record length (include trailing spaces). (INC#08361)
- Use now dynamic allocation to allocate files for external decryption / compression. (INC#7238)
- Corrected handling of session number in messages for external decryption / compression

Rel. 2.5, Level 14: 26.08.04

- Added feature User Level Security (ULS)

Basically User Level Security enables a user to user communication. It is provided by two features:

A user is represented by its own RACF User ID and Odette ID.

Permissions are applied, which files are permitted to be transferred from which sources to which destinations - Transfer Permission

User related RACF ID and Odette IDs

A rvsMVS user represents a user account on the operating system (RACF ID). Now for every rvsMVS user can be defined an own Odette ID.

When the user sends a file, the source Odette ID - that is usually the Odette ID of the local station - is replaced by the user's Odette ID.

Partner stations have to configure the user's Odette ID as if it would belong to a Odette station that is reached by routing.

When rvsMVS receives a file for a user's Odette ID, rvsMVS delivers the file locally and gives it user's access permissions.

Transfer Permission

Transfer permissions are applied on a per-neighbour-station base. For each neighbour station the appliance of the permissions may be switched on by the station configuration (parameter ULS=YES).

When transfer permissions are switched on (ULS=YES) for a given neighbour station then all transmissions in receive and send direction are restricted. Only these transmissions are allowed that are defined in the USER member, SN#sid member (for send) and RN#sid member (for receive) in permission dataset.

For further information see the installation manual.

Rel. 2.5, Level 13: 07.05.04

- Access to KD dataset from C-API.
- Corrected problem with FORMAT=TEXT and different translation tables.
- corrected reading of stations table.
- Corrected length of YPREFIX (1 – 5 characters)
- Corrected problem with BSC-line (abend C04)

Rel. 2.5, Level 12: 26.03.04

- Corrected using of OFTP Compression in case of offline GZIP compression.
- Error in Parameter TCPLOCAD removed.
- Error in Parameter TCPIPADR removed.
- Corrected that in case of SSRM no timeout was available

- Attribute of DF054K it was changed to non-reentrant
- Added DF079S
- DF075A00 – program is obsolete, but for compatibility added again (not more supported)
- DF148A – program is obsolete, but for compatibility added again (not more supported)

Rel. 2.5, Level 11: 11.02.04

- DF058A - Abend 30A at Event start removed.
- DF095A - Problem X25 multi number resolved.

Rel. 2.5, Level 10: 02.10.03 / 27.01.04

- PDS data set with LRECL = 32760 can be sent now.
- DF076A - The output of program expands by new (missing) parameters .
- Abend 0C4 at restart Comp/Decryption removed.
- MAXRETRY does not work correctly. Retry Count in KD (KDRSTNO) increased at open of the file
- Problem VOLUME (CNTL) and STORCLAS in RR Entry resolved.
- DF058A improved (reentrant)
- SECRPREF: Problem with SECRPREF resolved
- Restart: Problem with restart fixed (always started at position 0).
- Restart PDS Dataset: Abend 0C9 fixed.
- TCP/IP Task: Handling with long DNS name (up to 60 chars) improved.
- Panels: send-request mask improved (corrected parameters of decryption and compression)
- Trace X.25: Problem with X.25 trace removed (can't stop the trace)
- Trace TCP/IP: Problem with TCP/IP trace removed (wrong content)

Rel. 2.5, Level 09: 12.09.03

- Decryption/Compression: Improve error handling in DF052V (interface of decryption to DF310A).
- TCP/IP Task: Problem with long DNS-Name fixed (interface structure was not initialized).(DF083A/DF312A)
- Odette task: Problem with dynamic temporary allocation in case of REPLACE=YES fixed. (DF117A)
- End processing: Problem with wrong filename in case of DEVICE=TAPE fixed. (DF124A)

Rel. 2.5, Level 08: 05.09.03

- Abend after command "p rvs" removed.

- Problem with parameter TCPIPADR (sometime abend) removed.
- If decryption is enabled in licence key, parameters of decryption will affect decryption feature shown in table.

Stations tab.-Parameter DECRPTION	Parameter DF080A00 DECRPTION	Result
not set	not set	decryption disabled
not set	DECRPTION=NO	decryption disabled
not set	DECRPTION=EXT	decryption disabled (message is written)
DECRPTION=NO	not set	decryption disabled
DECRPTION=NO	DECRPTION=NO	decryption disabled
DECRPTION=NO	DECRPTION=EXT	decryption disabled (message is written)
DECRPTION=EXT	not set	decryption is used
DECRPTION=EXT	DECRPTION=NO	decryption disabled
DECRPTION=EXT	DECRPTION=EXT	decryption is used

Rel. 2.5, Level 07: 20.08.03

- Includes all changes of rvsMVS 2.05.06 Patch version
- The user exits DFUX001 and DFUX002 are replaced by DUMMY Module.

Rel. 2.5, Level 06: 20.08.03

Patch version only!

(You can use this version to patch rvsMVS 2.05.05 only.)

- ONLINE compression (COMPRESS=RVS) is replaced by offline GZIP compression
- Changes in compression/decryption module
 - CNTL member
 1. Parameter COMPRESS={EXT|YES} and DECRPTION={EXT|YES} are not longer necessary. The SECR/COMP module is active, if it is allowed by licence key (Y | Z) .
 2. Use COMPRESS=NO and/or DECRPTION=NO to switch off decryption and/or compression although it is allowed by licence key.
 3. the parameters GPUKID, GPUKNM, GPRKID und GPRKNM are removed.
 4. There are new parameters to control the allocation of temporary datasets for decryption/compression: SECRPREF, YPREFIX, YSTORCL, YMAGMCL, YDATAACL, YPALLOC, YSALLOC, YUNITC und YUNITN.

- STATIONS member
 1. COMPRESS={GZIP|NO}
 2. DECRPTION={EXT|NO}
 3. the Parameter PPUKID, PPUKNM, SPUKID, SPUKNM, SPRKID and SPRKNM are removed.
 4. The program DF311G is replaced by function GENKEYS in program DF054K.
 5. You can find samples of jobs with the program DF054K in Dataset TABLES.
- The parameter TCPLOCAD (CNTL member) and TCPIPADR (STATIONS member) is now up to 60 characters long. (TSD Problem #56164)
- Automatic EERP is controlled by the CNTL-parameters EERPAD={YES|NO}. And the STATION-parameter DIALOPT. You can use the new command „DD EERP“ (TSD Problem #46647)
- Session Timer for Definite Response after Trailer Record (SNA) is controlled by Session Timer (SESSION Table). (TSD Problem #78663)
- QNAME for KEY dataset is „KEY-RSVK“ (GRS)
- You can switch on the messages DF5233P und DF5207P via command „T DISP1“. (problem #78521)
- The timeout values in X.25 module are increased. (Problem #60582)
- Correction in MSGOUT command for JES2. (Problem #65832)
- Correction for deleting RR fields. (Panel 5) (Problem #78414)
- Problem #72210 – SNA trace dataset not free – see documentation update

Rel. 2.5, Level 05: 13.06.02

Corrections of the following errors or problems:

- Specification of XNUMCHCK parameter (CNTL-Member) now processed separately for each CTCP.

Rel. 2.5, Level 04: 07.05.02

Corrections of the following errors or problems:

- Incorrect OFTP exchange buffer for text format if no compression is done (character X'80' at the end of the last OFTP buffer of a transmitted file).
- Automatic jobstart: variable ?FILESIZE not correct in case of restart.
- TCP/IP: component for IBM-TCP/IP does not work under Z/OS 1.2.

- TCP/IP: activation continues after GETHOSTBYNAME-failure.
- Abend 0C4 sometimes occurs during file allocation.
- Unallocation not done for a received file in case of GDG-processing when GDG-base entry did not exist.
- Receiving of EERPs now accepted even if the EERP contains invalid data.
- Autodial loop if a file is to be sent but the remote station indicates the 'send-only' option within the SSID protocol record.
- Abend 0C4 during start of rvs in conjunction with the display of an error message.
- Support of the stations parameter 'NORELAIS' for SNA connections.
- DF080A00: check for a correct remote station ID sometimes not done.
- Automatic transfer of received data into a SYSOUT-class not done if start parameter DDEVTYPE=TAPE specified.
- Routing of a received EERP to the final destination sometimes not done in case of parallel sessions (timing problem).

Rel. 2.5, Level 03: 18.01.02

Corrections of the following errors or problems:

- Determination of filesize not correct for files with more than 32767 used tracks.
- Allocation error 970C for a file to be received if the filesize (primary space specification) exceeds the capacity of 65535 tracks.
- Byte count overflow when sending or receiving files greater than 2,1 GB (invalid byte count condition at end of transmission).
- Check for 'duplicate file' condition now also done in relais-stations (not only in stations which are final destination of the file).

Rel. 2.5, Level 02: 28.11.01

Corrections of various errors or problems:

- Remote operating function: sometimes an abend S0C4 occurred during session termination or during session setup.
- Remote operating function: wrap around mode: division of line 24 (to line 3) resulted in suppression of one byte if the message text exceeded 74 bytes.
- TCP/IP: loop of message DF8304I ACCEPT FAILED ... when the maximum number of sockets (CNTL-parameter TCPMAX) has been reached.

- User abend 1720 in program DF072A (rvs-control dataset damaged): this situation might have occurred in a multi-system (LPAR) environment, but is solved now.
- SNA: ENQ for SYSDSN sometimes held in case of GDG processing.
- SNA: files have sometimes not been sent after processing of the refresh command for the rvs stations table (REFR STAT).
- Dispatcher task abend S12F (timer error).
- Timeout value in case of allocation problems increased to 10 minutes.
- Performance improvements for dataset I/Os: up to 16 buffers are used for reading or writing data.
- TCP/IP: problems with abends SB37 for trace datasets are now solved (avoided). Trace will automatically be switched off if this abend has occurred.
- Improved error recovery in case of abend S837 when receiving files.
- PDS-transfer via OFTP: routing to another final destination did not work.

New features:

- Functional enhancement a rvsMVS monitor controlled **External Decryption** and **Compression Feature**. This functional change consists of a separate management of a new send request queue and a new receive entry queue. These queues will be managed by the **Service Provider Task** based on a new Send Dispatcher Task and a new Receive Dispatcher Task. Send Dispatcher gets control from the rvsMVS monitor to encrypt and to compress the data set before sending if it is flagged in the send request. The Receive Dispatcher gets control after a complete receiving of such a data set for decompressing and decryption. After successfully finishing these processes the well known rvsMVS post processing tasks like RR-Entry Processing, rename or GDG handling will be performed. End-to-End Response will be transferred after successfully finishing these processes. See Document "Dokumentation_Rel2502".
- Support of parallel remote operator sessions. Up to 8 sessions for remote operating within one monitor may now be established at the same time. All messages displayed by the rvs-monitor are sent to all active remote operator sessions.
- New feature - job start in case of send / receive transmission failure. The condition of failure to send / receive a file can be defined as meeting one of the following criteria:
 - The file was not sent / received before a specified date and time;
 - The file was not sent / received because the number of retries exceeded a specified limit.See the following parameter descriptions: MAXRETRY, TRANSHLD, ERRJOB, ENDDATE and ENDTIME (program DF080A00).
- Introduction of a new parameter (NORELAIS=sid) to suppress routing to a certain station. This function is available only for connections using the ODETTE protocol.

